



Association of American
State Geologists



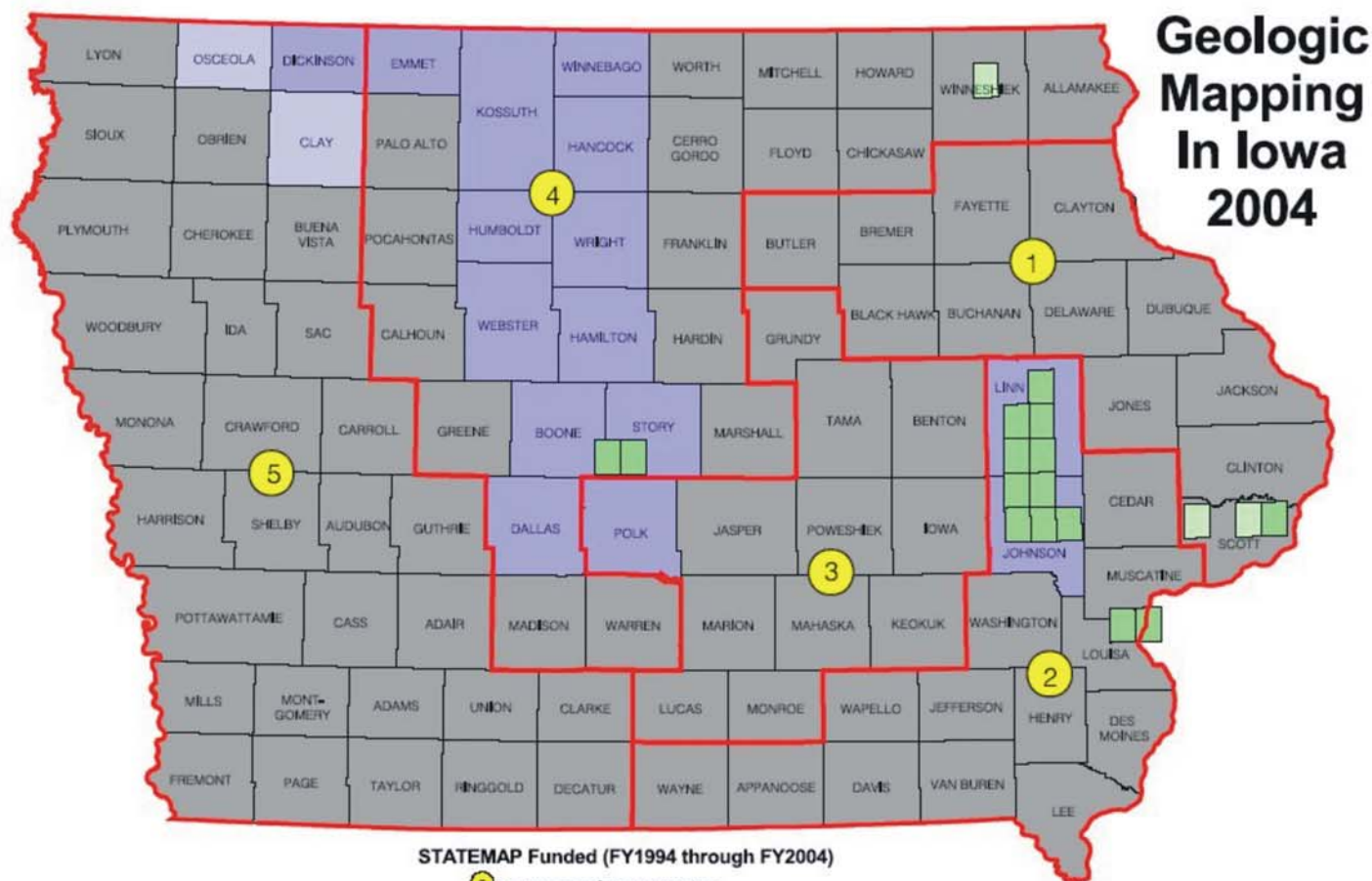
United States
Geological Survey



Iowa Geological Survey

National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping



STATEMAP Funded (FY1994 through FY2004)

- 5 Congressional District Numbers
- Congressional District Boundaries
- Completed 1:24,000 scale geologic maps
- In-progress 1:24,000 scale geologic maps
- Completed 1:100,000 scale surficial geologic maps
- In-progress 1:100,000 scale surficial geologic maps
- Completed bedrock geologic maps

Contact Information

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN IOWA

Federal Fiscal Year	Geologic Mapping Project Title and Scale	State Dollars	Federal Dollars	Total Project Dollars
93	Surficial Geologic Maps of Letts and Blanchard 1:24,000 Quadrangles	\$9,000	\$9,000	\$18,000
94	Surficial Geologic Maps of Cedar Rapids North and Marion 1:24,000 Quadrangles and Bedrock Geologic Map of Linn County 1:100,000	\$40,000	\$39,095	\$79,095
95	Surficial Geologic Maps of Cedar Rapids South and Central City 1:24,000 Quadrangles	\$30,090	\$30,000	\$60,090
96	Surficial Geologic Maps of Bertram 1:24,000 Quadrangle and Linn County 1:100,000 Digital Compilation Bedrock Geologic Map of Northwestern Iowa, 1:250,000	\$68,179	\$68,179	\$136,358
97	Digital Compilation Bedrock Geologic Map Northeastern Iowa, 1:250,000	\$52,800	\$52,800	\$105,600
98	Surficial Geologic Maps of Des Moines Lobe of Iowa: Kossuth, Winnebago, Hancock and Wright Counties 1:100,000	\$79,618	\$79,618	\$159,236
99	Surficial Geologic Map of Des Moines Lobe of Iowa: Hamilton and Webster Counties 1:100,000	\$60,720	\$60,720	\$121,470
00	Surficial Geologic Maps of Des Moines Lobe of Iowa: Boone and Story Counties 1:100,000 Surficial Geologic Maps of Huxley and Slater 1:24,000 Quadrangles Digital Compilation Bedrock Geologic Map of North-Central Iowa, 1:250,000	\$96,121	\$96,120	\$192,241
01	Surficial Geologic Map of Des Moines Lobe of Iowa: Dallas and Humboldt Counties 1:100,000 Surficial Geologic Maps of Ely and Swisher 1:24,000 Quadrangles: Johnson County Developing Area Project Digital Compilation Bedrock Geologic Map of South-Central Iowa, 1:250,000	\$163,750	\$163,750	\$327,500
02	Surficial Geologic Map of Des Moines Lobe of Iowa: Polk County 1:100,000 Surficial Geologic Maps of Tiffin and Iowa City West 1:24,000 Quadrangles: Johnson County Developing Area Project Digital Compilation Bedrock Geologic Maps of Southwest and East-Central Iowa, 1:250,000	\$188,090	\$188,090	\$376,180
03	Surficial Geologic Map of Des Moines Lobe of Iowa: Dickinson and Emmet Counties, 1:100,000 Surficial Geologic Map of Iowa City East 1:24,000 Quadrangle; Geologic Map of Johnson County, 1:100,000 Digital Compilation Bedrock Geologic Map of Southeast Iowa, 1:250,000 Surficial Geologic Map of McCausland 1:24,000 Quadrangle: Scott County Developing Area Project	\$192,829	\$192,829	\$385,658
04	Surficial Geologic Map of Des Moines Lobe of Iowa: Clay and Osceola Counties, 1:100,000 Developing areas; Surficial Geologic Maps of Dixon and Eldridge 1:24,000 Quadrangles in Scott County. Impaired Watersheds; Surficial Geologic Map of Decorah 1:24,000 Quadrangle in Winneshiek	\$142,482	\$142,482	\$284,964
05	Surficial Geologic Map of Des Moines Lobe of Iowa: Hardin County; 1:100,000. Impaired Watersheds in Northeast Iowa: Surficial Geologic Maps of Bluffton and Freeport 1:24,000 Quadrangles; Bedrock Geologic Map of the Yellow River Watershed; 1:100,000 scale. Cooperative Mapping with NRCS: Surficial Geologic Maps of the Rochester and Bennett 1:24,000 Quadrangles.	\$187,167	\$187,167	\$374,334
	TOTALS	\$1,310,846	\$1,309,856	\$2,620,702

The STATEMAP component of the National Cooperative Geologic Mapping Program has enhanced the Iowa Geological Survey's (IGS) ability to produce geologic maps. Iowa's mapping program addresses priority state-wide issues with longer term goals in mind. Input from the advisory panel has recommended mapping in areas with environmental concerns, related to groundwater quality and land-use planning issues. IGS and the advisory panel recognize the need for maps of varying scales to address the complex environmental issues facing urban and rural Iowans. Issues in developing urban areas center around residential and commercial development along major transportation corridors, rapid subdivision expansion on the fringes of urban areas and related problems with septic system siting, aggregate potential (identification and protection of resources), sensitive areas identification, and water quality and quantity issues. In rural areas, issues are focused on the proper siting of animal confinement facilities, water quality, watershed management, nutrient management, wetland delineation and protection and aggregate potential mapping.